BASF Biocides Page 1 of 1



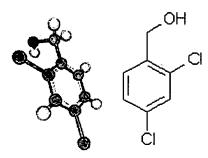
Product Description Protectol DA, Protectol DAS

Biocides Protectol® Products Who We Are Products & Applications Why Choose BASF? NAFTA Biocides

CAS No: 1777-82-8 **EINEC No:** 217-210-5 Mol. Fomula: C7H6Cl20

Mol. Wt (g/mol): 177

Chemical Name: 2,4-Dichlorobenzyl alcohol, 2,4-Dichloro-benzenemethanol



- 98% minimum purity 2,4-Dichlorobenzyl alcohol
- Effective antifungal for use in pharmaceuticals and cosmetics.
- Good temperature stability with wide pH tolerance.
- Compatibility with a wide range of product types.
- Excellent safety profile.

Main application areas:

Consumer Product Preservation

Credit / Responsibilities

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The Contents of Case 10686995

| Qnum | Query | DB Name | Thesaurus | Operator | Plural |
|------|--|------------------------------|-----------|----------|--------|
| Q1 | 5902574.pn. | PGPB, USPT, EPAB, JPAB, DWPI | | OR | YES |
| Q2 | 6114396.pn. | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q3 | (dicholorobenzyl near alcohol) | PGPB,USPT,EPAB,JPAB,DWPI | | OR | YES |
| Q4 | (dichlorobenzyl near alcohol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q5 | Q4 and propellant | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q6 | Q5 and (gelling near agent) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q7 | water near soluble near soap | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q8 | Q7 and Q5 | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q9 | Q5 and soap | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q10 | Q7 neaer5 (stearic adj acid) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q11 | Q7 near5 (stearic adj acid) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q12 | (\$dicholorobenzyl near alcohol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q13 | (\$dichlorobenzyl near alcohol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | Q13 and (propellant | İ | | | |
| Q14 | or isopentane or isobutane or pentane or | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | isobutane) | | | | |
| Q15 | Q14 and (soap or surfactant) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q16 | inert near volatile near liquid | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q17 | Q16 and (cosmetic or topical) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q18 | WO-2004037177- A2.did. | EPAB | None | OR | YES |
| Q19 | WO-2004037177- A2.did. | EPAB | None | OR | YES |
| Q20 | <u> </u> | PGPB,USPT,EPAB,JPAB,DWPI | | OR | YES |
| Q21 | Q4 and (shaving) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q22 | 5523081.pn. and | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |

| | perservative | | | | |
|------------|----------------------------------|------------------------------------|--------|----|------|
| 022 | 5523081.pn. and | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q23 | antimic\$ | PGPB,USP1,EPAB,JPAB,DWP1 | None | OK | TES |
| Q24 | 5523081.pn. and | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | medicametns\$ | | | | |
| Q25 | Q4 and (shav\$) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| 026 | Q16 same | DCDD LICHT FRAN IDAN DIAINI | Nama | OD | VEC |
| Q26 | (propylene near glycol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q27 | Q16 same (glycol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q28 | Q4 same ethanol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q29 | Q28 same water | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q30 | • | ePGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | Q16 same (ethanol | | | | |
| Q31 | • • | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | propanol) | | | | |
| 022 | inert near volatile | DODD LICHT FRAN IDAR DIAIRI | None | OD | VEC |
| Q32 | near (liquid or | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | solvent) | | | | |
| U33 | Q32 same (ethanol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q33 | propanol) | PGPB,03F1,LFAB,3FAB,DWF1 | NOHE | OK | ILS |
| | Q32 near3 (ethano | 1 | | | |
| Q34 | | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| ~ | propanol) | | | | |
| 025 | sodium adj | DODD LICHT FRAR IRAB DWDI | None | OB | VEC |
| Q35 | laurylsulfate | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q36 | Q35 same Q7 | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q37 | Q35 same (water adj soluble) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| 030 | Q35 near5 (water | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q38 | adj soluble) | PGPB,USF1,LPAB,JPAB,DWF1 | NONE | OK | |
| Q39 | Q35 near5 soap | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q40 | Glyceryl adj | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| ~ · · | monolaurate | | | | |
| Q41 | Q40 same (water near soluble) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q42 | Q4 same (ethanol or isopropanol) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q43 | Q4 and (shav\$) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q44 | Q13 and (shav\$) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q45 | Q4 AND (cosmetic | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q13 | or topical) | יייי ויכיסא וייבו אטייי אייי איייי | 140110 | | i LJ |
| | | | | | |

Q4 and (ethanol or isopropanol or

| Q46 | propanol or propellant or isopentane or isobutane or pentane or isobutane) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR . | YES |
|-----|---|---------------------------|------|------|-----|
| Q47 | Q46 (lauryl near2 sulfate) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q48 | Q46 and (lauryl near2 sulfate) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q49 | dybenol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q50 | dybenal | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | Q4 same | | N | | |
| Q51 | bactericides | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q52 | Q4 same perservatives | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q53 | Q4 same preservatives | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q54 | MYACIDE | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q55 | Q54 and shav\$ | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q56 | Q54 and Q4 | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | (water near soluble |) | | | |
| Q57 | sulfonate) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | (water near soluble | • | | | |
| Q58 | sulfonate) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| | (water near soluble | • | | | |
| Q59 | near3 (paraffin nea sulfonate) | rPGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q60 | Q59 same soap | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q61 | Q4 same ethanol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q62 | Q4 same solvent | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q63 | 5470017.pn. | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q64 | Q4 same bact\$ | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q65 | '4301088'.pn. | USPT | None | OR | YES |
| Q66 | Q4 same perservative 5523081.pn. and | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q67 | (drug or medicament or inflamm\$ or anti\$) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q68 | 6251371.pn. and (shav\$ or razor) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q69 | Q4 same triethanolamine | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |

| Q70 | Q4 and antifungal | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
|-----|--|---------------------------------------|------|----|-----|
| Q71 | Q4 same preservative | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q72 | Q13 same preservative | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q73 | Q13 or (DCBA) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q74 | Q73 same preservative | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q75 | Q4 and (cosmetic o topical) | ^r PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q76 | Q75 and ehtnaol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q77 | Q75 and ethanol | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q78 | Q77 and water | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q79 | Q4 and (gel) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q80 | Q79 and (topical or cosmetic) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q81 | Q4 same (preservative or bactericide or bacteriostates) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |
| Q82 | Q4 same (preservative or bactericide or bacteriostats) | PGPB,USPT,EPAB,JPAB,DWPI | None | OR | YES |

| Case O | peration | |
|--------|----------|----------|
| Run (| Case | ∇ |



Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

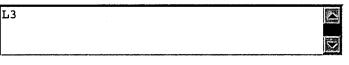
Search Results -

| Terms | Documents |
|---------------------|-----------|
| L2 and (dichloro\$) | 3 |

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US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

Database:











Search History

DATE: Monday, January 09, 2006 Printable Copy Create Case

Set Name Query Hit Count Set Name side by side result set DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR L3 12 and (dichloro\$) 3 <u>L3</u> L2 geria.in. near2 navin 41 L2 L1 (Dichloro near benzenemethanol) L1

END OF SEARCH HISTORY